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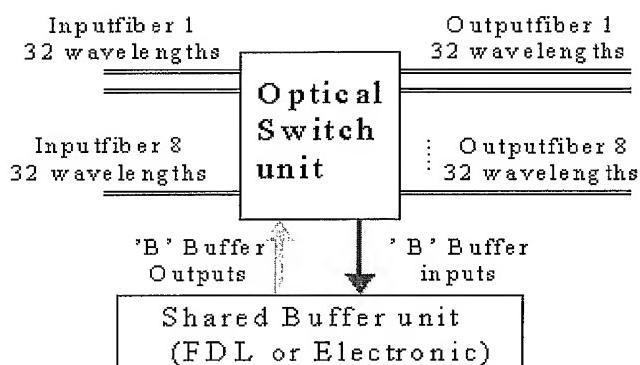
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(54) Title: A METHOD AND ARRANGEMENT FOR AN IMPROVED BUFFER SOLUTION WITHIN A COMMUNICATION NETWORK SWITCH



Generic model of simulated switch.

(57) **Abstract:** In asynchronous optical packet switches, scheduling packets from a buffer randomly will cause less efficient utilisation of the buffer. Additionally, reordering of packets may cause problems for service quality demanding applications. According to the present invention a new electronic buffer scheduling algorithm is proposed and a switch utilizing this algorithm is disclosed. The algorithm is designed for utilizing the buffer resources efficiently, still avoiding serious packet reordering.

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